

## ABSTRACT

The present invention is to provide a radio system that enables effective reuse of a limited number of frequencies without the occurrence of interference between subscriber  
5 stations. In the radio system according to the present invention, each base station is divided into two or more sectors, each of which is provided with an antenna different in directivity on a horizontal plane. The antennas are so placed that the antenna beams cover all the directions on the  
10 horizontal plane as a whole, and all the antennas using the same frequency and polarized wave are so arranged to face in about the same direction.